

# UMERIT® 613A

Linear Low Density Polyethylene

UBE America, Inc.

## Message:

UBE super polyethylene UMERIT® are ethylene alpha-olefin copolymers produced using metallocene catalyst by gas phase process. The metallocene catalytic method results in superior physical properties by being able to acquire any targeted molecular structures.

Therefore UMERIT®613A offer various excellent properties.

- Superior transparency and low temperature flexibility
- The surface of processed products is free from stickiness and cloud due to the elimination of low molecular weight elements
- High reliability products are guaranteed due to superior mechanical properties and high ESCR properties

General Information			
Features	Copolymer		
	High Clarity		
	High ESCR (Stress Crack Resist.)		
	Low Temperature Flexibility		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.913	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)	30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	20.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.0	MPa	ASTM D638
Tensile Elongation (Break)	850	%	ASTM D638
Flexural Modulus	230	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ASTM D1525
Melting Temperature	113	°C	

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## Recommended distributors for this material

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